

Title: NOVEL CARBONYL REDUCTASE, GENE
THEREOF AND METHOD OF USING THE SAME

Inventor(s): Noriyuki KIZAKI et al.

Appl. No.: 10/088,920

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DRAWINGS

Fig 1.

1 GGTACCCGCCGCCCTCCTATAAGCCAGCACCGGTCGAGGACGCGCCGCCCTTCGAGGAT 61
61 CTCAGCCCACGTCCCGCCTCAGGACAACCAGAAGGAAGTGATCGCGGATCGGACGGATGA 121
M R R M T
121 CGCTGCCGAGTGGGAGTCCATCCCTGTGTGGGCCAGGGCACCTGGGGCTGGGGTGAGG 181
L P S G E S I P V L G Q G T W G W G E D
181 ACCCGGGCCCGCGGCGACGAGGTGCGCGCGCTGCACGCGCGCCTCGAGCTGGGCATGA 241
P G R R G D E V A A L H A G L E L G M T
241 CGCTGGTCGACACCGCCGAGATGTACGCCGACGCGGCTGCGGAGGAGGTGGCTGCTGAAG 301
L V D T A E M Y A D G G A E E V A G E A
301 CATTGGCGGGTCCCGCGACGAGGCGTTCGTGGTCAGCAAGGTCATGCCGTCCCACGCCCT 361
L A G R R D E A F V V S K V M P S H A S
361 CCGGTTCCGGCAGGATCGCGGCCTGCGAACGCGAGCCTGAAACGCGCTGGGCACCGATCGGA 421
R S G T I A A C E R S L K R L G T D R I
421 TCGACCTCTACCTGCTGCACTGGCAGGGCAGGTACCGGCTGCAGGACACCGTCCGGCGCT 481
D L Y L L H W Q G R Y P L Q D T V A A F
481 TCCACCAGCTCGTCGAGGACGGGAAATCCGATACTGGGGCGTCAGCAACTTCGACCACC 541
H Q L V E D G K I R Y W G V S N F D H R
541 GGGCCCTCGCCGAGCTGCAGGACGTGCCGGGCACCAGCGGCTGACCACGGATCAGGTGC 601
A L A E L Q D V P G T S G L T T D Q V L
601 TGTACAACCTGTCCGGCGGAGGACCGGAGTACGACCTGCTGCCGTGGTGGCCGACGACC 661
Y N L S R R G P E Y D L L P W C A D H Q
661 AGCTGCCGGTCATGGCGTACTCGCCGATCGAGCAGGGCCGATCCTTGACGACACGACGC 721
L P V M A Y S P I E Q G R I L D D T T L
721 TGAACGACGTCCGGCCCCGTACAGCGTACGCCCCGCGGCGGCGCCCTTGCTGGGTGC 781
N D V A A R H S V S P A A A A L A W V L
781 TCGCGCGGACTCGCTCTGCACGATCCCCAAGGCGAGCAGCCGCGAGCAGTGGCGGACA 841
R R D S L C T I P K A S S P Q H V R D N
841 ACGCCACAGCACTGGACGTGGAGCTGACCCGCGAAGACCTGGATGCTCTGGACCGTGCCT 901
A T A L D V E L T R E D L D A L D R A F
901 TTCCGCCCCCGAGCGGACCGCGACCACTGGAAATGCTGTGACCCTGCCCCAGGGCGCAGC 961
P P P S G P R P L E M L *
961 CCGGTCGGTCCGGGCGGTCCGGGCAGTCCGGGCAGCGCTCCGGTCAGCGCAAGTCTCCGA 1021
1021 AGGACCTGCCTGTACCTCCTCCTGAACCTGTGCACGCCATCCATCGACTCCTTTCCTCG 1081
1081 AGCCCTGTCCGGTTCGCGGTAGGCGCTGATCATCCGCTGGCAGGTCCCCAAGTGGCCTC 1141
1141 GAGCCGGGGCCCTCTGCTTGTGGTGAGCAACCGGTTCCGGCGTGCAGGGTTCGACGGGC 1201
1201 GGAGTAGAGCGGTCGCCCCTGCGGCGCGGTGGCCATGCAGGTCCTGCTGGACCCGGCG 1261
1261 GTGGCAGCGGACCAACGCGTCGCGCGCTAACCGGACTGCGAGCGACCGGCGTTGTGGACG 1321
1321 CAGACGACCTGGACACTGGGCCGTGCGGTACGAGGATCTCCAAAGTCGGCGGCGGGGT 1381
1381 TCAGGCGATGTGAGGAAGGAACGGAGCTC 1410

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Fig 2.

